

REPORT ON BOILERS.

No. 33438.

WED. DEC. 17. 1913

THU. DEC. 24. 1914

Received at London Office
 Date of writing Report 12 Dec 1913 When handed in at Local Office 13.12.1913 Port of Glasgow
 in Survey held at Pollackhaws, Glasgow Date, First Survey 7.5.13 Last Survey 12.12.1913
 Book. on the Marine Boilers for the m/s "PANGAN" (Number of Visits 7) Gross Tons }
 Built at Glasgow By whom built Barclay Curle & Co Ltd When built 1909-3
 es made at Glasgow By whom made Burmester & Co When made 1914
 rs made at Pollackhaws, Glasgow By whom made A.W. Dalglish (110602-3) When made 1913
 ured Horse Power _____ Owners _____ Port belonging to _____

LTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D. Colville & Sons.

for record \$ 1) Total Heating Surface of Boilers 916 # Is forced draft fitted ✓ No. and Description of
2 Single Ended Marine Working Pressure 100 Tested by hydraulic pressure to 200 lbs Date of test 12.12.13
 Certificate 12460 Can each boiler be worked separately ✓ Area of fire grate in each boiler oil fuel No. and Description of
 valves to each boiler 12 Spring loaded Area of each valve 3.14 Pressure to which they are adjusted ✓
 they fitted with easing gear ✓ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓
 test distance between boilers or uptakes and bunkers or woodwork ✓ Inside dia. of boilers 7'-6" Length 8'-0"
 rial of shell plates Steel Thickness 15/32" Range of tensile strength 28/32 tons Are the shell plates welded or flanged no
 ip. of riveting: cir. seams S.R. lap long. seams S.R. S.R.S. Diameter of rivet holes in long. seams 25/32" Pitch of rivets 3 7/8"
 of plates or width of butt straps 8 1/2" Per centages of strength of longitudinal joint rivets 83 Working pressure of shell by
105 lbs Size of manhole in shell 16" x 12" Size of compensating ring 5 1/2" x 7/8" No. and Description of Furnaces in each
one plain Material steel Outside diameter 36" Length of plain part 5'-0" Thickness of plates 1/2" crown 1/2" bottom 1/2"
 ription of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 174 Combustion chamber
 s: Material steel Thickness: Sides 1/2" Back 15/32" Top 1/2" Bottom 1/2" Pitch of stays to ditto: Sides 7 1/2" x 7 1/2" Back 8 1/2" x 7 1/2"
8 1/2" x 7 1/2" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 112 Material of stays steel Diameter at
 est part 1.01" Area supported by each stay 60" Working pressure by rules 134 End plates in steam space: Material steel Thickness 5/8"
 of stays 13 1/2" x 13" How are stays secured S.R. Shank Working pressure by rules 109 Material of stays steel Diameter at smallest part 2.66"
 supported by each stay 169" Working pressure by rules 163 Material of Front plates at bottom steel Thickness 5/8" Material of
 back plate steel Thickness 5/8" Greatest pitch of stays 8 1/2" x 7 1/2" Working pressure of plate by rules 225 Diameter of tubes 3"
 of tubes 4" x 4" Material of tube plates steel Thickness: Front 5/8" Back 19/32" Mean pitch of stays 8 1/2" x 8" Pitch across wide
 spaces 11" Working pressures by rules 115 lbs Girders to Chamber tops: Material steel Depth and thickness of
 at centre 5 1/2" x 1 1/2" Length as per rule 1'-7 1/2" Distance apart 8" Number and pitch of Stays in each 1 @ 7"
 ing pressure by rules 100 Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked
 ately ✓ Diameter ✓ Length ✓ Thickness of shell plates ✓ Material ✓ Description of longitudinal joint ✓ Diam. of rivet
✓ Pitch of rivets ✓ Working pressure of shell by rules ✓ Diameter of flue ✓ Material of flue plates ✓ Thickness ✓
 fened with rings ✓ Distance between rings ✓ Working pressure by rules ✓ End plates: Thickness ✓ How stayed ✓
 ing pressure of end plates ✓ Area of safety valves to superheater ✓ Are they fitted with easing gear ✓
 y request form
 304 attached

The foregoing is a correct description,

A. W. Dalglish Manufacturer.

Is the approved plan of boiler forwarded herewith yes
 During progress of work in shops 1913 May 7. July 14 Aug 22 Sept 14 11. 19. 22
 During erection on board vessel Oct 5. 13. 25. 30. Nov 6. 14. 22. Dec. 4. 12 Total No. of visits 17

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.)

The workmanship & materials are good. The Boilers have been built under Special Survey, & will be fitted on and in the Glasgow district

MONTHLY ACCOUNT.

Survey Fee ... £ 3 : 1

When applied for, 191

Travelling Expenses (if any) £ :

When received, 191

A. W. Dalglish Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

GLASGOW 16 DEC. 1913

Assigned

Transmit to London

Lloyd's Register Foundation

W 479-0164

M/s. ^{4.} Pangan

Donkey Boilers

Boiler No 60248



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Foundation